Figure 1

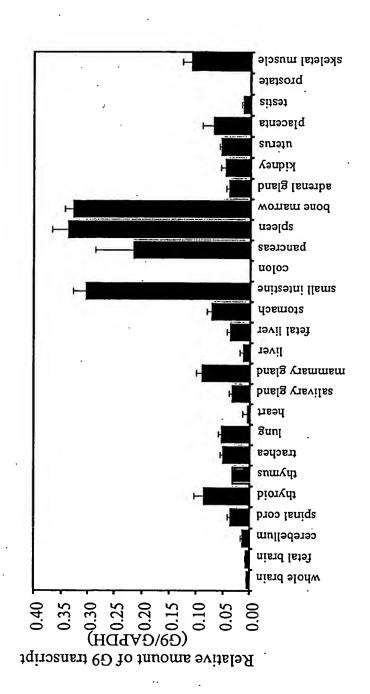
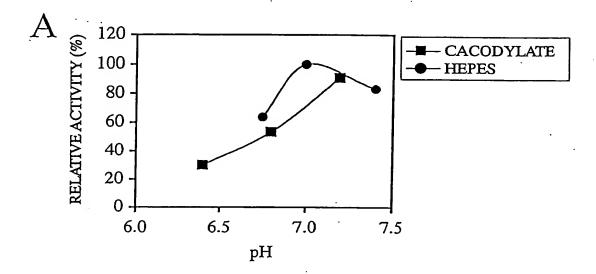


Figure 2

`(



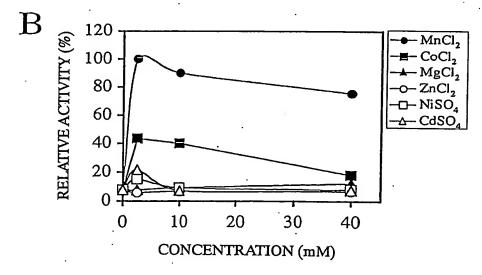


Figure 3

SUBSTRATE (PA-SUGAR)	UDP-GLUCOSAMINE- TRANSFERRING EFFICIENCY (%)	
	β3GnT2	G9
PA-001 Gel \$1-4Gichac \$1-2Men & 1-6 Men \$1-4Gichac \$1-4Gichac PA Gel \$1-4Gichac \$1-2Men & 1-8	. 100	ND
PA-002 Gal β1-4GicNAc β1 - 2Man α 1 Gal β1-4GicNAc β 1-4GicNAc β 1-4GicNAc PA Gal β1-4GicNAc β 1 Man α 1 Gal β1-4GicNAc β 1	100	ND
PA-004 Gel \$1-4GICNAC\$1 Gel \$1-4GICNAC\$1 SMan \$1-4GICNAC\$1 Gel \$1-4GICNAC\$1 AMan \$1-4GICNAC\$1 Gel \$1-4GICNAC\$1	100	14.7
PA-009 Gal β 1-4GicNAc β 1-2Man α 1 6 Man β 1-4GicNAc β 1-4GicNAc PA Gal β 1-4GicNAc β 1-2Man α 1	100	ND
PA-010 Gal & 1-4 GicNAc & 1 - 2 Man a 1 Gal & 1-4 GicNAc & 1 - 4 GicNAc & 1-4 GicNAc PA Gal & 1-4 GicNAc & 1 A Man a 1 Gal & 1-4 GicNAc & 1	100	ND
PA-011 Gal \$1-4GIcNAc \$1 Sal \$1-4GIcNAc \$1 Man \$1-4GIcNAc \$1-4GIcNAc PA Gal \$1-4GIcNAc \$1 Man \$1-4GIcNAc \$1 Man \$1-4GIcNAc \$1 Man \$1-4GIcNAc \$1	100	8.9
PA-016 Man & 1 Man & 1-4GloNAc & 1-4GloNAc-PA Mán & 1	ND	ND

Figure 4

